



# DHS Exhibit 300 Public Release BY08 (Form) / PREP - CERT Vulnerability Research and Incident Identification (2008)

(Item)

Form Report, printed by: Administrator, System, Feb 12, 2007

## OVERVIEW

General Information	
1. Date of Submission:	Jan 12, 2007
2. Agency:	Department of Homeland Security
3. Bureau:	Preparedness (PREP)
4. Name of this Capital Asset:	PREP - CERT Vulnerability Research and Incident Identification (2008)
Investment Portfolio:	PREP C&T Home 2008
5. Unique ID:	024-65-01-04-01-9502-00
(For IT investments only, see section 53. For all other, use agency ID system.)	

All investments
6. What kind of investment will this be in FY2008? (Please NOTE: Investments moving to O&M ONLY in FY2008, with Planning/Acquisition activities prior to FY2008 should not select O&M. These investments should indicate their current status.)
Acquisition
7. What was the first budget year this investment was submitted to OMB?
FY2006
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap. CERT Vulnerability Research and Incident Identification (CERT) provides services to catalogue the most dangerous malicious code and computer vulnerabilities. CERT offers nine essential services that deliver security and assurance solutions essential to meet DHS' strategic goals and also provides solutions for the most significant cyber vulnerabilities. These services range from promoting development of computer security incident response teams to creating a centralized forum to identify and manage vulnerability handling. The program results in a national catalogue of malicious code attacks, providing a single source of information for the public and private sectors. CERT fills three gaps in DHS' homeland security strategy. First, the program provides enhanced analysis of malicious code and actionable protective measures. The program fills this gap by providing timely solutions on a range of cyber risks. CERT also enhances strategic analysis of cyber-security risks by generating a more sophisticated awareness of IT vulnerabilities that leave our most critical systems open to malicious code attacks. Second, CERT provides hardware/software and services to populate our homeland security library with new knowledge of the nation's strategic cyber-vulnerabilities and leverages IT in new ways to support the Secretary's reorganization and emphasis on high priority risks. Third, CERT leverages all Federal civilian agencies to seek a single set of instructions, by providing consolidated support for cyber-security/risk analysis, which is critical because agencies are overwhelmed with awareness, prevention and response data.
9. Did the Agency's Executive/Investment Committee approve this request?
Yes
9.a. If "yes," what was the date of this approval?
Apr 16, 2006
10. Did the Project Manager review this Exhibit?
Yes
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.
Yes
12.a. Will this investment include electronic assets (including computers)?
Yes
12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)
No
12.b.1. If "yes," is an ESPC or UESC being used to help fund this investment?
12.b.2. If "yes," will this investment meet sustainable design principles?
12.b.3. If "yes," is it designed to be 30% more energy efficient than relevant code?
13. Does this investment support one of the PMA initiatives?

Yes

If "yes," select the initiatives that apply:

<b>Human Capital</b>	Yes
<b>Budget Performance Integration</b>	Yes
<b>Financial Performance</b>	
<b>Expanded E-Government</b>	Yes
<b>Competitive Sourcing</b>	Yes
<b>Faith Based and Community</b>	
<b>Real Property Asset Management</b>	
<b>Eliminating Improper Payments</b>	
<b>Privatization of Military Housing</b>	
<b>R and D Investment Criteria</b>	
<b>Housing and Urban Development Management and Performance</b>	
<b>Broadening Health Insurance Coverage through State Initiatives</b>	
<b>Right Sized Overseas Presence</b>	
<b>Coordination of VA and DoD Programs and Systems</b>	

13.a. Briefly describe how this asset directly supports the identified initiative(s)?

CERT Vuln's time/cost avoidance to manage strategic cybersecurity activities permits the economic/efficient human capital management. In 2006, we documented 50-100 malicious code attacks per month in the DHS catalogue, reducing the time necessary to research and review cyber incidents. CERT Vuln allows the Federal government to expand e-gov by logging roughly 200 instances of malicious code attacks and publishing e-bulletins regarding the attack and the vulnerability associated with the code.

14. Does this investment support a program assessed using OMB's Program Assessment Rating Tool (PART)?

Yes

14.a. If "yes," does this investment address a weakness found during the PART review?

Yes

14.b. If "yes," what is the name of the PART program assessed by OMB's Program Assessment Rating Tool?

PREP - Cyber Security

14.c. If "yes," what PART rating did it receive?

Results Not Demonstrated

15. Is this investment for information technology (See section 53 for definition)?

Yes

**For information technology investments only:**

16. What is the level of the IT Project (per CIO Council's PM Guidance)?

Level 2

17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)

(4) Project manager assigned but qualification status review has not yet started

18. Is this investment identified as "high risk" on the Q4 - FY 2006 agency high risk report (per OMB's "high risk" memo)?

No

19. Is this a financial management system?

No


19.a. If "yes," does this investment address a FFMI compliance area?

19.a.1. If "yes," which compliance area:

19.a.2. If "no," what does it address?

19.b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52.

20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)

Area	Percentage	
Hardware	30.00	
Software	40.00	
Services	30.00	
Other	0.00	
<b>Total</b>	<b>100.00</b>	

21. *If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?*

N/A

23. *Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?*

Yes

<b>SUMMARY OF FUNDING</b>
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<b>SUMMARY OF SPENDING FOR PROJECT PHASES (In Millions)</b>
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1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The total estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

All amounts represent Budget Authority

	PY-1 & Earlier	PY	CY	BY
	-2005	2006	2007	2008
<b>Planning:</b>				
<b>Budgetary Resources</b>	4.250	0.009	0.009	0.009
<b>Acquisition:</b>				
<b>Budgetary Resources</b>	0.500	0.070	0.076	0.076
<b>Subtotal:</b>				
<b>Budgetary Resources</b>	4.750	0.079	0.085	0.085
<b>Maintenance:</b>				
<b>Budgetary Resources</b>	0.250	0.009	0.010	0.010
<b>TOTAL, All Stages</b>				
<b>Budgetary Resources</b>	5.000	0.088	0.095	0.095
<b>Government FTE Cost</b>	0.071	0.073	0.198	0.203
<b># of FTEs</b>	1.00	1.00	2.00	2.00
<b>Total, BR + FTE Cost</b>	5.071	0.161	0.293	0.298

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).

Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's?

Yes

2.a. If "yes," how many and in what year?

One additional hire will occur during Fiscal Year 2007 and 2 additional hires will occur in Fiscal Year 2012.

3. If the summary of spending has changed from the FY2007 President's budget request, briefly explain those changes.